



041004

11696 U.S. PTO

PTO/SB/05 (01-04)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE

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UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

First Inventor

Title

Express Mail Label No.

LESLIE JAE LEWELL  
SEYMOUR LEVINE

SAFELANDER

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 24]  
(preferred arrangement set forth below)  
- Descriptive title of the invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 4]
5. Oath or Declaration [Total Sheets \_\_\_\_\_]  
a. ☐ Newly executed (original or copy)  
b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)  
i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
name in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a. ☐ Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ Paper  
c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement [ ] Power of  
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure [ ] Copies of IDS  
Statement (IDS)/PTO-1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☒ Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Prior application information:

Examiner \_\_\_\_\_

Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number: 32743 OR ☐ Correspondence address below

Name SEYMOUR LEVINE 32743  
Address 4928 MAYTIME LANE PATENT TRADEMARK OFFICE  
City CULVER CITY State CA Zip Code 90230  
Country USA Telephone (310) 555-2965 Fax \_\_\_\_\_

Name (Print/Type) LESLIE JAE LEWELL, SEYMOUR LEVINE Registration No. (Attorney/Agent) \_\_\_\_\_  
Signature Leslie Jae Lewell, Seymour Levine Date 4-8-04

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

17302 U.S. PTO  
10/822271

041004

CUSTOMER NUMBER 32743

PATENT TRADEMARK OFFICE

32743

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**FEE TRANSMITTAL  
for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$) 574

**Complete if Known**

Application Number

Filing Date

First Named Inventor

LESLIE JAE LENEU  
SEYMOUR LEVINE

Examiner Name

Art Unit

Attorney Docket No.

**METHOD OF PAYMENT (check all that apply)**☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit Account: 32743 customer numberDeposit  
Account  
Number  
Deposit  
Account  
Name

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments☐ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
1001	2001	770	385	Utility filing fee	385
1002	2002	340	170	Design filing fee	
1003	2003	530	265	Plant filing fee	
1004	2004	770	385	Reissue filing fee	
1005	2005	160	80	Provisional filing fee	
SUBTOTAL (1)					(\$) 385

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
41	-20** = 21	9	189
Independent Claims	-3** =		
Multiple Dependent			189

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description
1202	2202	18	9	Claims in excess of 20
1201	2201	86	43	Independent claims in excess of 3
1203	2203	290	145	Multiple dependent claim, if not paid
1204	2204	86	43	** Reissue independent claims over original patent
1205	2205	18	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 574

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
1051	2051	130	65	Surcharge - late filing fee or oath	
1052	2052	50	25	Surcharge - late provisional filing fee or cover sheet	
1053	1053	130	130	Non-English specification	
1812	1812	2,520	2,520	For filing a request for ex parte reexamination	
1804	1804	920*	920*	Requesting publication of SIR prior to Examiner action	
1805	1805	1,840*	1,840*	Requesting publication of SIR after Examiner action	
1251	2251	110	55	Extension for reply within first month	
1252	2252	420	210	Extension for reply within second month	
1253	2253	950	475	Extension for reply within third month	
1254	2254	1,480	740	Extension for reply within fourth month	
1255	2255	2,010	1,005	Extension for reply within fifth month	
1401	2401	330	165	Notice of Appeal	
1402	2402	330	165	Filing a brief in support of an appeal	
1403	2403	290	145	Request for oral hearing	
1451	1451	1,510	1,510	Petition to institute a public use proceeding	
1452	2452	110	55	Petition to revive - unavoidable	
1453	2453	1,330	665	Petition to revive - unintentional	
1501	2501	1,330	665	Utility issue fee (or reissue)	
1502	2502	480	240	Design issue fee	
1503	2503	640	320	Plant issue fee	
1460	1460	130	130	Petitions to the Commissioner	
1807	1807	50	50	Processing fee under 37 CFR 1.17(q)	
1806	1806	180	180	Submission of Information Disclosure Stmt	
8021	8021	40	40	Recording each patent assignment per property (times number of properties)	
1809	2809	770	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	2810	770	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	2801	770	385	Request for Continued Examination (RCE)	
1802	1802	900	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

**SUBMITTED BY**

(Complete if applicable)

Name (Print/Type)

LESLIE JAE LENEU, SEYMOUR LEVINE

Registration No.

Telephone

(310) 559-2965

Signature

Leslie Jae Leneu, Seymour Levine

Date

4-8-04

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**NONPUBLICATION REQUEST  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor

LESLIE JAE LENELL  
SEYMOUR LEVINE

Title

SAFELANDER

Attorney Docket Number

CUSTOMER NO. 32743

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

4-10-2004

Date

Leslie Jae Lenell, Seymour Levine  
Signature

(310) 559-2965  
Telephone number

LESLIE JAE LENELL, SEYMOUR LEVINE  
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

This collection of information is required by 37 CFR 1.213(b). The information is required to obtain or retain a benefit by the public which it is to be (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

4/8/04



Leslie Lenell and Seymour Levine  
4928 Maytime Lane  
Culver City, CA 90230  
CUSTOMER # 32743  
Telephone # (310) 559-2965

Subject: Expediting the Patent Process for the  
Anti-terrorism Patent "SAFELANDER"

USPTO  
Commission on Patents  
P.O Box 1450  
Alexandria, VA 22313-1450

Dear Sir or Madam:


The inventors, Leslie Lenell and Seymour Levine, petition the USPTO to expedite the patent process for SAFELANDER. We feel that this patent can significantly prevent terrorists from inflicting substantial damage to critical edifices inside the United States and can protect the citizens of the United States.


The invention permits the safe landing of an aircraft in airfields out of harms by a remote pilot, located on the ground in a high fidelity virtual reality simulator. The invention has significant cost, security and safety advantages over the present method of controlling large Military, Executive (small to medium sized) Aircraft, Passenger/Carrier Aircraft, and Cargo Aircraft. It saves the cost of putting armed sky-marshals aboard commercial aircraft, eliminates the need for, and concomitantly safety and security problems associated with, allowing guns aboard commercial aircraft. SAFELANDER increases safety and security by providing a safer, more humane, more effective, less costly and quicker response time in altering a deviant aircraft's flight trajectory as compared to having an armed fighter aircraft intercept and possibly shoot down the deviant aircraft. SAFELANDER can prevent an air disaster like 9/11 from occurring.

Enclose is a check for \$130, which we have been told is the fee, for expediting this anti-terrorism invention.

Should you have any questions concerning this invention please feel free to contact us. Thank you for your consideration in this matter.

Sincerely,

  
Leslie Lenell

  
Seymour Levine

FOR IMMEDIATE RELEASE  
PTO-96-11

Contact: Richard Maulsby  
          Lisa-Joy Zgorski  
          (703-205-8341)

#### PTO to Expedite Patent Process for Anti-Terrorism Inventions

The Commerce Department's Patent and Trademark Office (PTO) announced today that

patent applications for anti-terrorism inventions will receive "special" status, which will

allow the PTO to expedite the patent examination process and grant patents on those

inventions more quickly.

"In view of recent events--the crash of TWA 800 and the bombing at Centennial Park in Atlanta--it is imperative that those seeking to prevent terrorism have all of the tools necessary to accomplish their task," said Bruce A. Lehman, Assistant Secretary of Commerce and Commissioner of Patents and Trademarks. "By allowing "special" status for inventions that prevent or deter terrorism, those tools will be in the hands of those who need them more quickly."

In general, patent applications are examined in the order that they appear on an examiner's docket. If an applicant files a "petition to make special" and it is approved, the application moves ahead of all others and the examination and patent grant, if allowed, is expedited. Inventions that can be accorded special status are those that materially enhance the quality of the environment or contribute to the development or conservation of energy. Most recently, patent applications related to treatment and cures for HIV/AIDS and cancer were also accorded this special status.

XXX

July 29, 1996

## Biography: Sy Levine

Since retiring from the Northrop Corporation, Sy Levine has been working on a world wide, real time, remote monitoring system, called RAFT, that will significantly reduce air fatalities while enhancing air transportation security and operational efficiency. Prior to this endeavor he was the Chief Engineer and Program Manager at the Northrop Grumman Corporation Electronic Systems Division in Hawthorne, California where he directed the work of several hundred engineers. He's an internationally recognized expert in program management, systems, navigation and servo mechanisms. During a forty year career in the aerospace industry, he managed advanced optical and laser sensor development, guidance navigation programs and new system developments from conception through production and operational field utilization. He was also the Program Manager of the B-2, STEALTH (In charge of the Stella Inertial Navigation System), Peacekeeper, SR-71 and TR-1 Air Force programs. In addition, he managed the Advanced Sensor Department that was responsible for a number of new developments including the laser based Obstacle Avoidance System (OASYS) for piloting rotorcraft. This light detection and ranging (lidar) system introduced the concept of a window of safety to prevent helicopters from striking wires and other obstacles. Sy was a Director for Litton Guidance & Control and Manager of the Advanced Guidance Systems Department at Sperry Gyroscope Company. Sy Levine holds eleven patents, ranging from inertial navigation through holography. One early patent was for the first commercial inertial navigation system, INS, which was put aboard Pan American aircraft. It dramatically changed commercial aircraft navigation and safety. The INS is presently used on all large commercial aircraft. His latest patent is for the Remote Aircraft Flight Recorder and Advisory System (RAFT) that can substantially reduce air travel's fatal accident rate. He was also the chief scientist aboard the USS Ethan Allen submarine - the one used in "The Hunt for Red October" - during its maiden voyage. Sy has been a guest lecturer for the Institute of Navigation (ION) and has authored numerous papers including:

- 1995 NATO Advisory Group for Aerospace Research & Development (AGARD) chapter on "Astro-Inertial Navigation Systems".
- November 1997, Flight Operational Quality Assurance (FOQA) 97 conference paper, "Remote Aircraft Flight Recorder and Advisory Telemetry System and Its Application to FOQA".
- November 1998, 17th Digital Avionics Systems Conference (DASC) paper, "The Remote Aircraft Flight Recorder and Advisory Telemetry System and its Application to Unifying the Total Digital Avionics System". It won the best session paper award.
- May 1999, National Transportation Board (NTSB) Symposium on Transportation Recorders paper, "RAFT And Its Ability to Reduce the Fatal Air Accidents by 78 % While Enhancing Air Space Capacity, Operational Efficiency and Aircraft Security".
- November 2000, 1<sup>st</sup> International Aircraft Safety Association Symposium, N.Y. paper, "The Remote Aircraft Flight Recorder and Advisory Telemetry System, RAFT, Can Substantially Reduce Fatal Air Accidents While Enhancing Air Space Capacity, Operational Efficiency and Aircraft Security".
- October 2001, Congressional Record, et.al., "Crashes into the Pentagon & WTC Were Preventable by RAFT"
- 1997 & 2001 McGraw-Hill Encyclopedia of Science and Technology section on "Startrackers"

In addition, the July 1999 issue of Avionics featured an article on RAFT written by David Evans. Also RAFT has been written up in the May 10, 1999 and June 28, 1999 issues of Air Safety Week by the Managing Editor David Evans. Mr. Levine stated that using telemetry to obtain the information going to the flight recorders, in real-time, will prevent the vast majority of aviation related fatalities. Mr. Levine's work was featured on the May 2000, BBC channel 4 television show "The Black Box". This TV show was rebroadcast throughout the world, including the US.